

## Emergency Management Competency 1.10

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**Competency 1.10** Emergency Management personnel shall demonstrate a working knowledge of the integration/interface of the following types of emergency plans:

- Site emergency plans
- Facility emergency plans
- Building emergency plans
- Security emergency plans
- Spill prevention, containment and countermeasure plans
- Fire prevention/suppression plans
- Other worker safety plans
- Local, state, and tribal emergency plans
- Other environmental emergency contingency plans

### 1. Supporting Knowledge and Skills

- a. Describe the typical content and applicability of each of the emergency plans listed above.
- b. Describe the integration/interface of the listed plans.
- c. Describe the roles and responsibilities of the on-site and off-site emergency response organizations identified in the above emergency plans.

### 2. Self-Study Activities (corresponding to the intent of the above competency)

Below are two web sites containing many of the references you may need.

| Web Sites                     |   |  |
|-------------------------------|---|--|
| Organization                  | Site Location   | Notes                                  |
| Department of Energy          | <a href="http://wastenot.inel.gov/cted/stdguido.html">http://wastenot.inel.gov/cted/stdguido.html</a> | DOE Standards, Guides, and Orders      |
| U.S. House of Representatives | <a href="http://law.house.gov/cfr.htm">http://law.house.gov/cfr.htm</a>                               | Searchable Code of Federal Regulations |

**Read** DOE Order 5500.3A, *Planning and Preparedness for Operational Emergencies*, Sections 9.d and e, 10.e, and 11.a and d(1) through (3).

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**Read** the DOE Emergency Management Guide *Standard Format and Content of Emergency Plans*, December 11, 1991.

**Read** the DOE Emergency Management Guide *Interim Guidance on Offsite Response Interfaces*, July 7, 1992.

EXERCISE 1.10-A State the purpose of a site emergency plan.

EXERCISE 1.10-B Identify the technical basis of the facility emergency plan.

EXERCISE 1.10-C Briefly describe the major elements of a site/facility emergency plan.

EXERCISE 1.10-D Describe the general relationship between site emergency plans and worker safety plans.

EXERCISE 1.10-E Discuss the relationship of spill prevention plans, fire prevention and suppression plans, and the site emergency plan.

EXERCISE 1.10-F Describe the mechanism for the interface of local, state, and tribal plans and a site emergency plan for coordinated emergency response.

### 3. Summary

**Read** DOE Order 5500.3A, *Planning and Preparedness for Operational Emergencies*, Section 11.d.1(a through c).

The emergency plan describes the provisions for response to an operational emergency. The plan details the range of potential emergencies; emergency action levels, which trigger emergency response actions; the on-site emergency response organization; and on-site and off-site facilities and equipment available to respond to the specific potential emergencies.

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### 4. Exercise Solutions

EXERCISE 1.10-A State the purpose of a site emergency plan.

ANSWER 1.10-A The purpose of the emergency plan is to describe the entire process designed to respond to and mitigate the potential consequences of an emergency at a DOE site.

EXERCISE 1.10-B Identify the technical basis for the facility emergency plan.

ANSWER 1.10-B The basis for the facility emergency plan is the facility hazards assessment.

EXERCISE 1.10-C Briefly describe the major elements of a site/facility emergency plan.

ANSWER 1.10-C

| Major Elements of an Emergency Plan |   |
|-------------------------------------|---|
| Element                             | Description   |
| Introduction                        | Includes a statement of the purpose and scope of the plan, concept of operations, and a description of the site.  |
| Emergency Response Organization     | Describes the internal (on-site) emergency response organization, including a description of the organization, direction, and control, and the emergency management operations.   |
| Off-site Response Interface         | Describes emergency response available off-site, including other Federal agencies and state, local, and tribal governments, and describes the memoranda of agreement, memoranda of understanding, and agreements in principle for interface with these off-site groups. |
| Operational Emergency Event Classes | Describes the emergency action levels which trigger an emergency response and activate the emergency plan.  |
| Notification and Communication      | Describes necessary notifications and communication of those notifications during an emergency event.   |

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| Major Elements of an Emergency Plan         |  |
|---|--|
| Element                                     | Description  |
| Consequence Assessment                      | Describes the determination and calculation of potential consequences.   |
| Protective Actions                          | Describes emergency planning zones, Protective Action Guides and Emergency Response Planning Guidelines, personnel accountability and communication during an emergency event, and termination and/or shutdown.          |
| Medical Support                             | Provides information on facilities, equipment, and staff available for medical support to an emergency. This section also describes any agreements for transportation and treatment of the injured by off-site agencies. |
| Recovery and Reentry                        | Discusses the termination or downgrade of the emergency, as well as actions necessary for reentry and recovery.  |
| Public Information                          | Describes facilities, equipment, and mechanisms for coordination of emergency public information.  |
| Emergency Facilities and Equipment          | Describes facilities and equipment available for emergency response.   |
| Training                                    | Describes training requirements and available training for on-site and off-site personnel.   |
| Drills and Exercises                        | Describes the objectives and schedule for drills and exercises for on-site personnel and coordination with off-site agencies.  |
| Emergency Management Program Administration | Identifies the emergency management program administrator, as well as administrative controls for self-assessment.   |

EXERCISE 1.10-D Describe the general relationship between site emergency plans and worker safety plans.

ANSWER 1.10-D Site emergency plans should be coordinated with worker safety plans to ensure that worker safety is not compromised during any emergency response.

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EXERCISE 1.10-E Discuss the relationship of spill prevention plans, fire prevention and suppression plans, and the site emergency plan.

ANSWER 1.10-E Spill prevention plans and fire prevention and suppression plans should be reflected in the facility emergency plan.

EXERCISE 1.10-F Describe the mechanism for the interface of local, state, and tribal plans and a site emergency plan for coordinated response to an emergency.

ANSWER 1.10-F Memoranda of understanding and agreements in principle provide the mechanism for interface of local, state, and tribal emergency plans with DOE site emergency plans. These are formal agreements and should be included in the off-site interface section of the site emergency plan.